

**SECRET**

Approved For Release 2004/07/08 : CIA-RDP81B00879R001000100013-0

OXC - 4028  
Copy 3 of 4

10 October 1962

MEMORANDUM FOR : Chief, Development Division, OSA-DD/R  
SUBJECT : Oxygen Containers

1. Air Research Corporation has developed and is supplying Project Mercury with 7500 lbs. spherical oxygen containers. Projects Gemini and Apollo are also planning to use these containers.

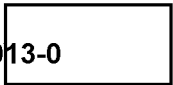
2. Presently there is a limiting factor in that these containers have only been qualified to function in a 170°F environment. A higher heat profile would require improved pressure vessels. It is known that the temperature capability of the pressure reducer could be increased by substituting vicon material for the present "O" rings.



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Distribution:

- 1-C/DD/OSA
- 2-DD/OSA
- 3-RB/OSA
- 4-DD (Chrono)

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